

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

S. KITTAKE et al.

Serial No.: not yet assigned

Examiner: not yet assigned

Filing Date: December 21, 2001

Group Art Unit: not yet assigned

For: LENS FUNCTION INCLUDING OPTICAL FIBER AND METHOD OF  
PRODUCING THE SAME

Assistant Commissioner of Patents  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Sir:

Prior to examination on the merits and prior to calculating the filing fee,  
please amend the above identified application as follows:

**IN THE CLAIMS:**

Please amend claims 6 and 7 as follows:

6. A lens function-including optical fiber according to claim 4 [or 5], wherein  
the refractive index  $n_0$  on the optical axis of said gradient index optical fiber is in a  
range of from 1.40 to 1.80 (both inclusively).

7. A lens function-including optical fiber according to claim 4 [or 5], wherein  
the refractive index  $n_0$  on the optical axis of said gradient index optical fiber is in a  
range of from 1.50 to 1.70 (both inclusively).

**REMARKS**

This amendment has been made to amend multiple dependency in claims 6  
and 7.

Respectfully submitted,



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## Revised Claims

6. (Amended) A lens function-including optical fiber according to claim 4, wherein the refractive index  $n_0$  on the optical axis of said gradient index optical fiber is in a range of from 1.40 to 1.80 (both inclusively).

7. (Amended) A lens function-including optical fiber according to claim 4, wherein the refractive index  $n_0$  on the optical axis of said gradient index optical fiber is in a range of from 1.50 to 1.70 (both inclusively).

1000  
900  
800  
700  
600  
500  
400  
300  
200  
100  
0  
-100  
-200  
-300  
-400  
-500  
-600  
-700  
-800  
-900  
-1000